

# Converting Colors

XYZ(52.3976, 64.2103, 28.0445)

Have a look what the booklet for  
XYZ(52.3976, 64.2103, 28.0445)  
contains.

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# Color

**XYZ(52.3976, 64.2103,  
28.0445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7DB7A
RGB	199, 219, 122
RGB Percent	78%, 86%, 48%
CMY	0.2196, 0.1412, 0.5216
CMYK	0.09, 0.00, 0.44, 0.14
HSL	72°, 57%, 67%
HSV	72°, 44%, 86%
XYZ	52.3976, 64.2103, 28.0445
YIQ	201.9620, 19.2170, -34.4070

# Conversions

## Conversions Part 2

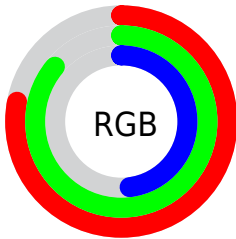
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 219, 142
Decimal	13097850
CIELab	84.08, -21.38, 45.29
CIElCh	84, 50.085, 115.269
Yxy	64.2103, 0.3622, 0.4439
Android (android.graphics.Color)	4291287930 (0xFFC7DB7A)
YUV	201.9620, -39.4213, -2.5977
Hunter-Lab	80.1313, -23.5093, 35.3415

# Details

The XYZ color **52.3976, 64.2103, 28.0445** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.9034, 24.7859, 70.1769**, and the grayscale version is **56.3466, 59.2810, 64.5570**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **25.7086, 32.8328, 10.7767** is the 20% darker color. If you saturate the color by 10%, you get **50.0106, 63.1213, 21.6303**, and if you desaturate by 10%, it is **55.1291, 65.4457, 36.0734**.

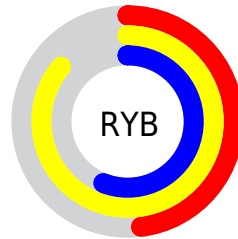
# Distribution



Red (78%)

Green (86%)

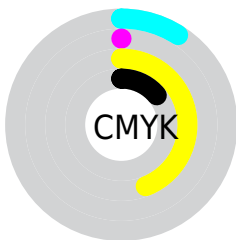
Blue (48%)



Red (48%)

Yellow (86%)

Blue (56%)

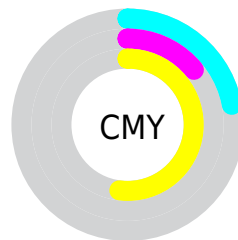


Cyan (9%)

Magenta (0%)

Yellow (44%)

Black (14%)



Cyan (22%)

Magenta (14%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3976, 64.2103, 28.0445 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.3976, 64.2103, 28.0445 by changing the saturation by 10% instead.



■ 52.3976, 64.2103,  
28.0445

■ 52.3976, 64.2103,  
28.0445

386.2684,  
439.9487, 306.5981

■ 37.5476, 46.8210,  
18.1199

■ 92.8881, 110.9137,  
57.5794

■ 25.8074, 32.8942,  
10.8658

■ 119.2594,  
140.9967, 78.0268

■ 16.8115, 22.0454,  
5.8636

■ 150.2018,  
176.0797, 102.8189

■ 10.1947, 13.8903,  
2.6949

186.0807,  
216.5471, 132.3742

■ 5.5915, 8.0444,  
0.9408

227.2615,  
262.7833, 167.1112

■ 2.6366, 4.1234,  
0.0000

274.1094,

■ 0.9646, 1.7428,

315.1727, 207.4485

0.0000

326.9900,  
374.0997, 253.8046

0.0000, 0.4511,  
0.0000

0.0000, 0.0000,  
0.0000

52.3976, 64.2103,  
28.0445

52.3976, 64.2103,  
28.0445

50.0106, 63.1213,  
21.6303

55.1291, 65.4457,  
36.0734

47.9423, 62.1617,  
16.7173


58.2197, 66.8266,  
45.8124


46.1705, 61.3247,  
13.1835


61.6884, 68.3629,  
57.3540


44.6680, 60.5994,  
10.8864


65.5517, 70.0612,  
70.7831


 43.4013, 59.9724,  
9.6524


 69.8249, 71.9278,  
86.1793

 42.7527, 59.6460,  
9.2595

 74.5226, 73.9685,  
103.6174

 76.2143, 74.8110,  
105.0308

 77.6878, 75.5707,  
105.0997

 79.1993, 76.3499,  
105.1705

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8002, 64.2103, 25.0983



52.3976, 64.2103, 28.0445



45.1729, 64.2103, 40.6476

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.3976, 64.2103, 28.0445



49.7019, 64.2103, 132.8363



84.7624, 64.2103, 75.0567

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.3976, 64.2103, 28.0445



30.9034, 24.7859, 70.1769

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2214, 64.2103, 110.6535



52.3976, 64.2103, 28.0445



59.2933, 64.2103, 149.8356

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.3976, 64.2103, 28.0445



43.7533, 64.2103, 99.2568



70.5619, 64.2103, 140.6892



82.3438, 64.2103, 47.0121



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.3976, 64.2103, 28.0445



42.6923, 64.2103, 55.5472



70.5619, 64.2103, 140.6892



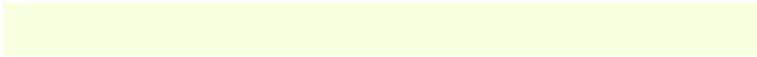
83.9851, 64.2103, 86.5664

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.3992, 64.2132, 28.0459



87.6941, 96.7722, 83.0588



42.3125, 35.6350, 23.0613



18.5236, 20.6045, 16.9383



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.3992, 64.2132, 28.0459



70.8599, 89.2241, 31.2089



41.6276, 58.6603, 27.5418



13.8856, 15.1213, 13.9124



25.4420, 35.4133, 5.4945



1.7159, 2.3291, 0.3591



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.9034, 24.7859, 70.1769



36.9110, 26.8869, 97.8520



40.9581, 29.9693, 70.6475



12.5883, 12.7459, 16.4489



8.3008, 3.4034, 39.9578

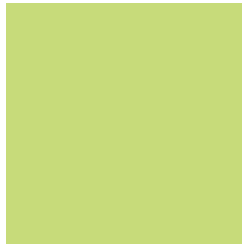


0.6097, 0.2576, 2.5920



# Previews

## White Background



This preview shows how the XYZ color 52.3976, 64.2103, 28.0445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3976, 64.2103, 28.0445 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 52.3976, 64.2103, 28.0445

## Background



This preview shows how black text looks on a background with the XYZ color 52.3976, 64.2103, 28.0445.



This preview shows how white text looks on a background with the XYZ color 52.3976, 64.2103,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

52.3976, 64.2103, 28.0445

### Protanopia

58.7634, 63.7558, 26.6617

### Deuteranopia

65.2932, 63.8857, 28.6285



## Tritanopia

62.6313, 63.8563, 79.5455

# Trichromacy



## Original Color

52.3976, 64.2103, 28.0445

## Protanomaly

56.3978, 64.0046, 27.1509

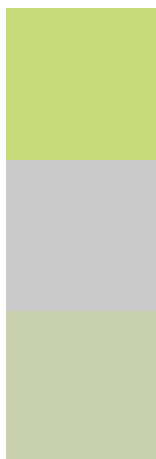
## Deuteranomaly

59.9462, 63.5987, 28.5183

## Tritanomaly

57.9960, 63.4418, 56.2025

# Monochromacy



## Original Color

52.3976, 64.2103, 28.0445

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

54.1861, 60.5464, 48.3659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3976, 64.2103, 28.0445 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 219, 122)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 122)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 219, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3976, 64.2103, 28.0445 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 219, 122) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 219, 122) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 219, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 219, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 219, 122); box-shadow:4px 4px 4px 4px rgb(199, 219, 122) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3976, 64.2103, 28.0445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 122) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
219, 122) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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